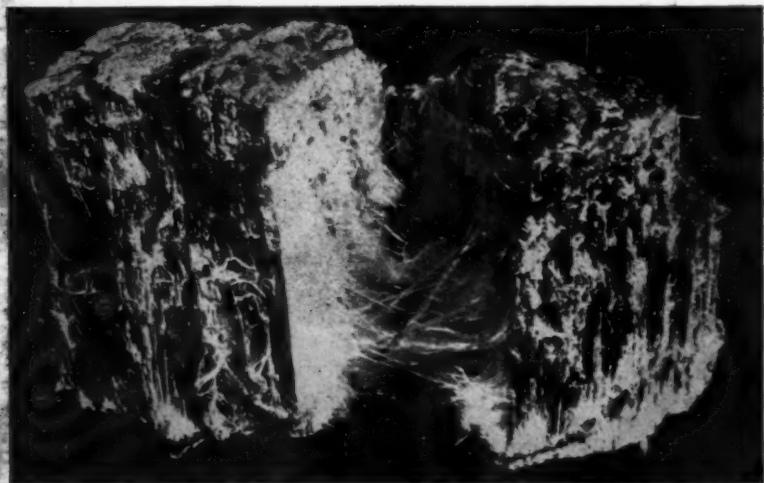


ASBESTOS

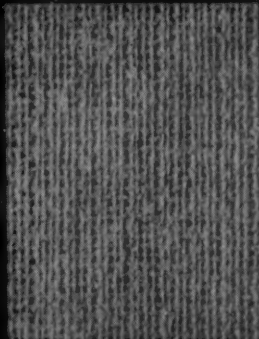


Vermont (U.S.A.) Crude

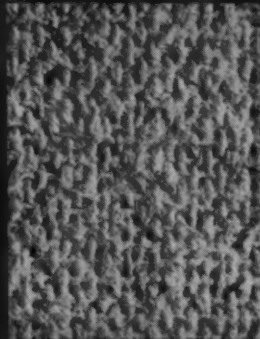
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MAY 1959

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*Entered As Second Class Matter November 23, 1923, at the Post
Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879*

Volume 40

MAY 1959

Number 11

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ASBESTOS is indexed regularly by Engineering Index, Inc.

SUBSCRIPTION PRICE

United States - \$3.00 Per Year
Canada - \$4.00 Per Year Foreign Countries - \$4.00 Per Year
Back Copies - .35 Each Single Copies - (Current) .25 Each
(Payable in U. S. Funds)

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DIATOMITE AND ITS ASSOCIATION WITH ASBESTOS

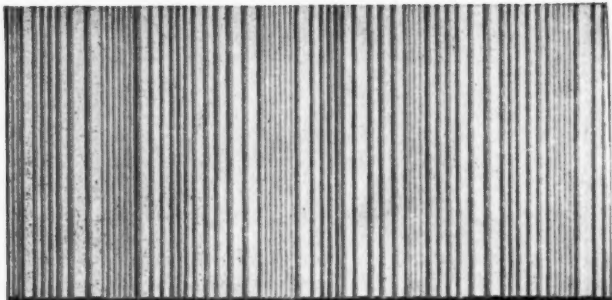
By W. E. Sinclair, M.I.M.M.

The frequent reference to the mineral diatomite, in the asbestos industry, suggests some close relationship between the two minerals. Actually there is no relationship. Although the minerals associated with asbestos, in its native form, are legion, diatomite is not one of them. This fact will have been gathered from the recent article, "Asbestos and its Associated Minerals".*

The only association diatomite has with asbestos is in the manufacturing sphere because of certain inherent properties and characteristics which are common to both. This fact gives rise to some quite interesting points; the main one of which is that there is no semblance of similarity in their physical state, diatomite being an earthy and powdery substance while, of course, asbestos is a fibrous mineral. Indeed it is because of this material difference in the two and their chemical dissimilarity that, in the manufacture of certain products, they are complementary to one another.

It appears quite clearly that the dissimilitude in the physical state of the two minerals is definitely responsible for some of their different properties, but not sufficient in opposition to nullify the even value of many of their commercial qualities.

First, to consider some of these differences, the origin and composition of diatomite must be briefly noticed, especially in contrast to asbestos. The mineral was once better known by the names *kieselguhr* or *tripolite*. Diatomite, a common name today, however, is the more descriptive, since the origin of this earthy substance consists essentially of siliceous accumulations consisting of diatoms. These are minute organisms whose skeletal remains (of countless varieties) constitute the important property of the mineral and together have formed deposits in marine beds or lakes. These deposits occur as a chalk-like rock or as a friable earthy mass and sometimes as a mud-like occurrence in bogs or marshes. Never are they, geologically or lithologically, like asbestos deposits.



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The distribution of diatomite deposits is widespread, various forms being found in most countries of the world, and, since it is one of the most widely used of the secondary industrial minerals, it is produced, to satisfy the demand wherever it is wanted and available.

As one of the major manufacturing countries, the United States, is the largest producer, averaging well over 350,000 tons annually. Most of this output is recovered from extensive deposits in several Pacific Coast States.

An indication of the association of diatomite with asbestos might also be gathered from the fact that one of the largest producers of the mineral in the world is also one of the largest asbestos producers, namely, Johns-Manville Ltd. This company utilizes an average of over 150,000 tons of the processed ore annually. The source of this tonnage is located at Lompoc, California, where modern crushers and special processing equipment are installed for the production of improved filtration and filler products, many of which are used in the manufacture of diatomite-asbestos products. Some of the diatomite produced is sold under the trade name of Celite which is one of several trade names by which diatomite is known by, such as, Dicalite, Fosalsil, Celatom and others, all of which possess similar properties and all are used in extensive industrial applications as an absorbent, a mild abrasive and polishing powder, a light-weight filler and as an insulating and filtering medium.

The many and varied properties of diatomite are such that its application in industry as a general utility product is widespread, but it is only in the last three spheres of usefulness mentioned above, that the mineral is mostly associated with asbestos. As already suggested, it is only where the similarity of certain of the qualities of the two minerals is such, that their union is complementary, that the importance and the interest is manifest.

Since diatomite is fireproof and able to withstand high temperatures, it naturally coincides with one of the invaluable properties possessed by asbestos, and when used in conjunction with one another, in certain insulating products, the combination is perfect. Indeed, it is in this

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sphere that diatomite is most often associated with asbestos, as for example, when used as a filler with asbestos fibres, to provide insulating mixtures for covering boilers and for insulating steam pipes and in other similar conditions.

Used in this manner, the earthy mineral resembles the functions of 85% magnesia, or calcium silicate as a filler in asbestos insulations, but the typical physical and thermal properties of diatomaceous silicas have been proved superior to both magnesia and calcium silicate. Similarly, its density range is higher and it possesses a greater compressive strength. An interesting point in the matter of the insulating qualities of diatomite is that an unseen air space is provided in the material by the innumerable minute diatoms extant. This is similar to the effect of bulk density and the tubular form of the fibres in asbestos insulating products.

For this same reason, the earthy mineral plays an important part in the filtration of such liquids as wine, vinegar, varnish, etc. It is the irregular but rigid shape of the diatoms that accounts for its valuable filtration properties, which again are also enjoyed by asbestos fibres.

The wide surface offered by the mineral and its extreme lightness and its absorbent and adsorbent qualities are factors of such importance that it finds many uses as a filler in numerous applications. Another common use is, when mixed as a plastic with asbestos products, they are manufactured and used as absorbents in liquified gas cylinders, and recently they have been used in radioactive emanations. In this connection it is interesting to recall that when nitro-glycerine was difficult and dangerous to handle, Nobel found that by mixing the diatomite with the dangerous "soup", it was possible to knead the mixture into the form of cartridges which were easier and safer to handle, as we know today.

This was, of course, before the days that diatomite was associated with asbestos, and it is only one of the examples of the unaided role played by this mineral in industry.

* "Asbestos and its Associated Minerals", by the author, "ASBESTOS", July 1958.

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Forum On Reactor Materials To Be Sponsored By American Society For Testing Materials

A series of forums is being planned by the American Society for Testing Materials to discuss the standardization of requirements for engineering materials used in nuclear reactors. While there is now a great deal of activity in this field throughout the approximately 80 ASTM technical committees, there still remains some areas in which needed work is lacking. This was recognized at the February meeting of the ASTM Special Administrative Committee on Nuclear Problems as probably being due to the absence of people on committees who are familiar with the problems.

The organization of the forums is a step to correct the situation.

The first forum of the series will be held at 2 p.m., Thursday, June 25, at Haddon Hall, Atlantic City, New Jersey, during the 62nd ASTM Annual Meeting. All ASTM committees are being invited to send representatives to these forums.

Whether or not they are ASTM members, people engaged in nuclear energy projects are urged to attend and participate in the discussion. It is hoped to exchange information on standardization work being done in the ASTM committees and to bring to light work which should be considered. These forums should be of prime concern to any person interested in having acceptable industry-wide purchase specifications established for materials used in the construction of reactors. N. L. Mochel, Consultant and Manager, Metallurgical Engineering, Westinghouse Electric Corporation, a Past President of the Society and Chairman of the Administrative Committee on Nuclear Problems, will preside.

ASTM technical committees composed of both producers and consumers of materials have over fifty years experience in promulgating specifications for materials of construction. The Society considers that standardization of requirements for materials to be used in reactor construction is simply an extension of its past activities.



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CANADA'S ASBESTOS PRODUCTS 1957

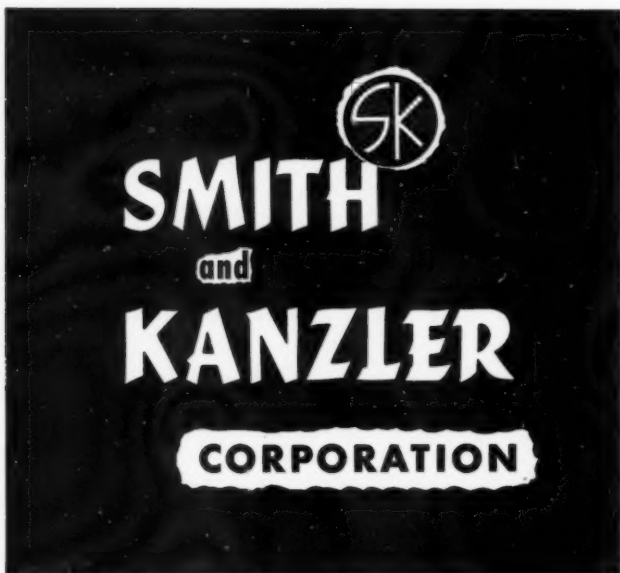
The Asbestos Products Industry, 1957, an eight page folder issued recently by the Dominion Bureau of Statistics at Ottawa, gives various statistics concerning Canada's asbestos manufacturing industry. Briefly a few figures are of special interest; factory shipments by the manufacturers of asbestos goods in Canada in 1957 were valued at \$29,988,123 as compared with \$34,229,784 in 1956.

Divided as to products, these figures will be of more than usual interest:

	1957		1956	
	Quantity	Value of factory Shipments	Quantity	Value of factory Shipments
Asbestos Brake Linings				
Moulded Ft. ....	..	3,238,887	..	3,635,338
Other Ft. ....	..	343,161	..	323,540
Asbestos Pipe & Boiler				
Coverings ....	..	1,786,790	..	1,602,227
Asbestos Clutch Facings ..	Not Available	No. 1,244,078		944,117
Asbestos Gaskets ....	..	110,364	..	123,151
Asbestos Packings				
(All kinds) ....	..	692,265	..	855,974
Asbestos Textile Products	..	5,100,432	..	5,198,275
Asbestos Paper Products				
(Millboard & Paper) ...	..	562,264	..	825,037
All Other Products .....	..	18,153,960	..	20,722,125
		<u>\$29,988,123</u>		<u>\$34,229,784</u>
		1957		1956
Number of Plants		17		16
Average Number of Employees		2,222		2,249
Salaries and Wages		8,311,653		8,527,505
Cost of Fuel & Elec. at Plant		853,483		829,850
Cost of Materials at Plant		13,693,806		15,955,866
Gross Selling Value of Products		29,988,123		34,229,784

Seventeen factories were included in this industry in 1957, of which 9 were located in Ontario, 5 in Quebec, 2 in British Columbia and 1 in Nova Scotia.

Other tables, concerning imports, exports, materials used in the Asbestos Products Industry, etc., are included in the pamphlet which may be obtained from the Dominion Bureau of Statistics, Industry and Merchandise Division at Ottawa for 25c. Ask for "The Asbestos Products Industry—1957".



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NEW ASBESTOS-CEMENT SEWER PIPE BY ATLAS ASBESTOS CO. LTD., MONTREAL, CANADA

A new long-life asbestos-cement Gravity Sewer Pipe, which features a specially designed FLUID-TITE coupling has just been announced by Atlas Asbestos Company Limited, manufacturers of "Turnall" Pressure Pipe and Building Materials. "Turnall" Sewer Pipe makes possible economical, non-pressure sewer systems which are installed much more quickly than ever before.

Produced in 13-foot lengths, "Turnall" asbestos-cement Sewer Pipe is strong, durable, light in weight, and can be easily handled and quickly installed even with unskilled labour. The rapid assembly appreciably reduces installation costs. The pipe is non-electrolytic and will not corrode.

An outstanding exclusive feature of "Turnall" Sewer Pipe is the FLUID-TITE coupling which automatically assures permanent infiltration-proof joints and which is quickly assembled without use of cumbersome coupling pullers. The coupling design makes it impossible for roots to enter the joints. Assembly is a simple two-step operation. The rubber rings are lubricated and then the pipe is slid into the coupling.

The exceptionally smooth pipe bore (with a Manning Factor of $n=0.010$) assures high flow capacity and makes possible flatter grades, fewer lift stations, higher-level filtration plants and smaller pipe diameters.

"Turnall" Sewer Pipe is produced in a range of pipe diameters from 6 to 12 inches.

During infiltration tests "FLUID-TITE" couplings have been subjected to an external water pressure of 25 p.s.i. (equivalent to 58-foot head, which far exceeds field conditions) with no pressure inside. No infiltration occurred under these demanding test conditions.

Produced in the Atlas Asbestos Company Limited plant at Montreal, "Turnall" Sewer Pipe is available throughout Canada.

Additional information on "Turnall" Sewer Pipe may be obtained from any Atlas office.

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Cape Asbestos Issues New Prestige Booklet

A 12-page illustrated booklet just issued by The Cape Asbestos Company Ltd, London, England, reviewing the Group's activities and products, makes good their claim to be a world wide organization.

A map of the South African Organization indicates the location of their various asbestos mines in the Transvaal and Cape Province. Four pages of photographs cover products—raw asbestos and processed fibres; thermal insulation materials; asbestos textiles, packings, jointings and millboard; brake and clutch linings; asbestos insulation board. "Industries We Serve", illustrated by line drawings, range from shipbuilding, oil refining, railways and power generation to domestic equipment, cold storage, building and motor industries.

The booklet gives a list of names and addresses of the Company's overseas agents and representatives and of those firms which make Cape's products under license abroad. A final page is devoted to the Group's four United Kingdom subsidiaries, Cape Building Products Limited, Marinite Limited, The Weaver Manufacturing and Engineering Company Limited and Andersons Insulation Company Limited.

A smaller, 8-page, prestige leaflet is also available. Both have been designed and produced for Cape Asbestos by Woudhuysen and Company Limited.

ENGINEERING PROGRESS EXPOSITION

The 1959 Engineering Progress Exposition sponsored by the National Society of Professional Engineers and its New York State Chapter will be held in New York City from June 17-20 at the Hotel Commodore.

The newest products, processes, techniques, application methods and services known in modern engineering will be unveiled at the unique show, a major feature of the National Society of Professional Engineers silver anniversary convention.

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COMPILATION OF ASTM STANDARDS ON TEXTILE MATERIALS (D-13)

The many ASTM standards developed by ASTM Committee D-13 on Textile Materials covering the widely used products of this industry are included in this book. They provide methods of tests, tolerances within which textiles must come in order that they shall constitute good delivery on contract, and specification requirements—standards of quality. New standard methods of test on Extractable Matter in Oven Dried Wool, Fiber Length of Wool and Moisture in Wool by Oven Drying are included. There are 128 standards in the volume of which 30 are recently revised or have had their status changed and 8 are new.

Included are terms, descriptions, specifications for testing machines, methods for humidity testing, sampling, interlaboratory testing, quantitative and qualitative analysis, resistance to insect pests and microorganisms, fibers, yarns, threads, and cordage. Also included are standards for fabrics, non-woven fabrics, hosiery, carpets, tire cord, asbestos textiles, bast and leaf fiber textiles, kraft yarns, cotton textiles; glass fiber, man-made fiber and wool textiles. In addition, there are 16 extensive appendices.

This compilation provides in compact, convenient form, data and information of great importance to all who deal with textile materials.

Copies of this book may be obtained from ASTM Headquarters, 1916 Race Street, Philadelphia 3, Pa. at \$7.50 each.

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1958 BOOK OF ASTM STANDARDS

The American Society for Testing Materials has completed publication of its 10-Part 1958 Book of ASTM Standards. This is unquestionably the Society's largest publication venture and represents one of the main reasons for the Society's existence. Distributed throughout the world, ASTM standards are used to cover production, purchase, and evaluation of millions of dollars worth of material annually. The size of the book has increased steadily and rapidly and will continue to grow because, as the society's technical committees' work increases, many more specifications and tests will be issued.

The increase from 7 to 10 parts in 1958 was necessitated by a growth in size of individual parts to the point where they could no longer be bound economically and were becoming unwieldy in size.

The statistics alone on this monumental reference work upon which American industry is so dependent for its materials requirements are impressive. Within the 10 parts will be contained 2,450 standard specifications, methods of test, definitions of terms, and recommended practices. These will occupy 13,600 pages.

Each part is complete with a detailed subject index and a list of standards in numeric sequence.

To keep this book up to date, supplements will be issued to each part late in 1959 and 1960. As a service, a complete index is furnished without charge with each set of the Book of ASTM Standards.

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**U. S. BUREAU OF MINES
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"ASBESTOS, A MATERIALS SURVEY" is the title of a newly revised publication just announced by the Superintendent of Documents, United States Government Printing Office, Washington 25, D. C., and available from that source at \$1.25 a copy.

The book, of 94 pages with illustrations, discusses the geology, beneficiation, uses, grades and specifications, sources of supply throughout the world, mining and milling, trade, world requirements by countries, and wartime controls of asbestos. In addition to the title, the following information should be given in ordering: 41F. Catalog No. I 28.27:7880.

A. S. T. M.

The 62nd Annual Meeting of the American Society for Testing Materials will be held June 21-26, 1959, at Chalfonte-Haddon Hall, Atlantic City, New Jersey. The education of the engineer in the materials sciences, the use of isotopes in metals analysis and testing, basic research, and an open forum on standardization of materials for nuclear reactors will be features of the Meeting.

Studies by The Travelers Insurance Companies show that driver error caused 85 per cent of the highway accidents in 1958.

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BUILDING

Construction contracts in the United States (excluding Alaska) totalled \$2.3 billion in February, setting a new all-time record for the month 18 per cent above February, 1958, according to F. W. Dodge Corporation.

Dodge vice-president and economist, George Cline Smith, reported that nearly every major construction category rose above last year's level.

The number of new dwelling units covered by contracts during the month totalled 85,206, an increase of 44 per cent over February of last year. Units in apartments, single family houses and two family houses all were up by approximately the same percentage, marking the first time in several years that single family houses have been as strong as the other two types.

According to Dr. Smith, the most encouraging feature of the new figures was the first upturn in industrial building contracts since the recession. This category is an extremely important indicator of economic conditions ahead, and the fact that it rose by 37 per cent over February, 1958, is highly significant of business optimism about the future.

Non-residential building contracts in February totalled \$704,337,000, down 6 per cent below February, 1958. The decline was primarily accounted for by decreases in contracts for offices, schools and public buildings. Increases were reported for stores, factories, hospitals and social and recreational buildings.

Residential building contracts in February were \$1,073,077,000, up 48 per cent over last year. All residential categories, without exception, were up.

February heavy engineering contracts amounted to \$529,623,000, up 11 per cent above the corresponding month of last year. Within the category, public works contracts were up 13 per cent, with gains in all types including highways, bridges and sewerage systems. Contracts for utilities rose by 8 per cent, with electric light and power systems down and all other major types up.

Cumulative totals for the first two months of 1959, with the percentage changes from the corresponding period

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The Philip Carey Co., Ltd., Ville St. Laurent, Montreal 9, P.Q.
The Philip Carey Company, Lockland, Cincinnati 15, Ohio

of last year, were as follows: Non-residential building, \$1,521,120,000, up one per cent; residential building, \$2,091,220,000, up 39 per cent; heavy engineering, \$1,009,049,000, unchanged; and total construction \$4,621,389,000, up 15 per cent.

A. S. H. A. E. GUIDE 1959

The Heating Ventilating Air Conditioning Guide 1959, enlarged to an 8½ by 11 inch page size to provide additional space for new technical data, has been published by the American Society of Heating Refrigerating and Air-Conditioning Engineers. This 37th edition of THE GUIDE contains larger illustrations, working charts and tables including 286 new or revised diagrams and charts.

The 768 page Technical Data Section follows the general format of previous editions and is divided into 12 general sections.

For convenient reference to equipment for various types of installations the Catalog Data Section contains 461 pages showing the products of 309 manufacturers of heating, ventilating, cooling and air conditioning equipment. The Catalog Data Section also includes an equipment index broken down under numerous headings.

The Guide Committee carefully analyzed the entire Technical Data Section to make sure the information in the 37th Edition has kept abreast of current practice and is presented in a way beneficial to the engineer, contractor, educator and student.

Heating Ventilating Air Conditioning Guide 1959, 37th Edition, 8½ x 11 inches, blue cloth bound, gold stamped, American Society of Heating Refrigerating and Air-Conditioning Engineers, 62 Worth Street, New York 13, N. Y., single copy \$12.00.

WILHELM BURGDORF

Importer of Raw Asbestos

P. O. Box 1131, BREMEN, GERMANY

**A natural
fire barrier
as workable
as wood**

A unique insulation board, workable as wood, Asbestolux combines more inherent advantages than any similar material.

Long-fibered Amosite asbestos and a selected grade of silica with special properties are bonded under heat and pressure. Light and strong, Asbestolux is incombustible, and stable.

Write for
Bulletin J-850.



ASBESTOLUX

FIREPROOF INSULATION BOARD



in the United States

NORTH AMERICAN ASBESTOS CORPORATION

Board of Trade Building • Chicago 4, Illinois



In Canada

CAPE ASBESTOS (CANADA) LIMITED

200 Bloor Street East • Toronto, Ontario

Subsidiaries of The Cape Asbestos Company, Ltd., London

MARKET CONDITIONS

GENERAL BUSINESS.

General business continues to improve even more rapidly than was anticipated some months ago. In March gross national production and total personal income both increased substantially. Auto sales improved encouragingly in early April causing Ward's Automotive Reports to raise their previous estimate of 1959 sales some 500,000 units. This buying seems the result of good solid demand as opposed to the strike-scare buying of steel which now has that industry producing at record levels. A most encouraging sign is that figures for planned capital expenditures for both 1959 and 1960 have been revised upward. This could have an important strengthening effect on the entire economy. Unemployment took a sharp drop in late March but the total of unemployed is still quite high. Close study indicates, however, that this is not due to a widespread shortage of jobs but rather to severely depressed conditions in certain spots around the country. The stock market is strong, and at time it appears a runaway boom is underway. Despite warnings in the form of paid advertisements published by some leading brokerage houses it is obvious that the public is moving into the market in a big way which could portend an adjustment of substantial proportions sometime later this year.

ASBESTOS—RAW MATERIAL.

First quarter shipments of asbestos fibre during 1959 indicate an increase of approximately 11% over the same period last year mainly attributed to general improvement in both the domestic and foreign markets, and most encouraging.

It is expected that second quarter shipments will exceed those of 1958 by roughly 15%, but still remain approximately 5% below 1957.

All grades are still in ample supply.

QUALITY-CONTROLLED...



Flintkote's modern research center at Whippany, New Jersey provides the facilities and technical know-how to determine the right fibres for diversified product uses.

...FLINTKOTE Asbestos Fibres

You, too, can gain from experience. The Flintkote Company stresses quality—has manufactured quality products for over fifty years—uses quality-controlled asbestos fibres produced by Flintkote Mines in many of its products.

A wide variety of asbestos fibres now available for *your* use.

For further information and descriptive brochure—Write: The Flintkote Company, East Rutherford, New Jersey.

FLINTKOTE MINES, LIMITED

(Subsidiary of The Flintkote Company) Thetford Mines, P. Q., Canada



ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. Competition on standard items is extremely severe and is expected to remain so for the balance of the year. It is anticipated that there will be a slight decrease during the summer months.

Asbestos Paper. With the exception of a slightly stronger market in the equipment field, orders for this material have slowed down considerably and prices are very competitive for the available volume. The remainder of 1959 is expected to be equal or better than 1958. Orders for *Millboard* have slowed down and prices remain competitive. It appears that the volume for the balance of 1959 will be somewhat less than last year. The *Saturated Paper* market at present is good and the outlook for the remainder of the year is promising.

High Pressure Insulation. While orders for this material have increased slightly, prices are very competitive among the contractors as well as the manufacturers. It is anticipated that the volume for the remainder of the year will be about the same as 1958.

Low Pressure Insulation. The market for this material has slowed down considerably but volume is expected to increase during the summer season.

Asbestos Cement Products. Business is good at the present time and is expected to continue to improve during the rest of 1959.

Shingles—Roofing & Siding. First quarter volume considerably ahead of last year for the same period. Outlook for the balance of the year is good.

A-C Pipes. Business continues seasonally satisfactory and the outlook for the remainder of the year is promising.

“The Luckless Legion” published by The Travelers Insurance Companies contains editorials and news stories on traffic safety in the interest of promoting safety on the highways in 1959.

Now . . .
starting from the usual



WET ASBESTOS-CEMENT SHEET

A NEWLY-DEVELOPED LINE OF MACHINERY

(Patents Marchioli & Gremigni)

for manufacturing

FITTINGS

**OF EVERY SHAPE
AND DIMENSION**



- TOUGH**
- RESILIENT**
- COMPACT**
- WATERPROOF**

PLANTS ALREADY IN OPERATION IN OUTSTANDING FACTORIES

Inquiries for Details, Quotations and References are welcome.

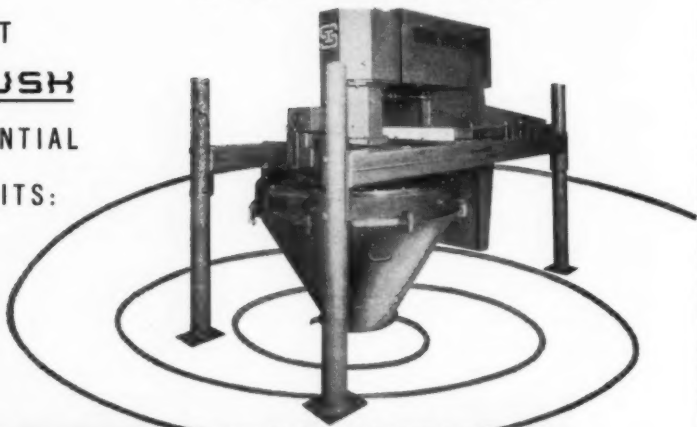
ING. G. MARCHIOLI
22 Morgagni, Milan, Italy

Cable: MINITA—MILANO

Phone: 26 67 27

Series 40 Entoleter CentriMil® has capacity in excess of 20 tons per hour when releasing crudy, or fiberizing 6 tons per hour.

DON'T
CRUSH
POTENTIAL
PROFITS:



MODERN CENTRIFUGAL IMPACT MILLING

- Reduces rock, releasing fiber intact
- Has increased yield as much as 15%
- Boosts both value and volume of output
- Requires less power per ton
- Constant product from start-up to shut-down

The rugged Entoleter® Centrifugal Impact Mill is specially engineered to break open rock along natural cleavage lines liberating crudy asbestos with minimum degradation of fiber. Its superiority over conventional methods has been production proven.

The same impact principle at higher velocities is used for fiberizing without degradation. Write for details. *Free* sample processing is available in the Entoleter Development Laboratory.



ENTOLETER DIVISION

SAFETY INDUSTRIES, INC.

P. O. BOX 904

NEW HAVEN 4, CONN.

PNEUMATIC COMPRESSING CORPORATION
ENTOLETER DIVISION
ELECTRICAL DIVISION

LIGHTING DIVISION
SAFETY RAILWAY SERVICE CORPORATION

AUTOMATIC TIMING & CONTROLS, INC.
THE HOWE SCALE COMPANY
SI HANDLING SYSTEMS

IN CANADA: LYNN, MACLEOD ENGINEERING SUPPLIES, LTD., THETFORD MINES, P. Q., CANADA

AUTOMOBILE SALES

	February 1959
Passenger Cars	476,977
Motor Trucks	99,973
Motor Coaches	143
	<hr/>
	577,093

In February 1958, a total of 467,553 motor vehicles were sold. In the two months of 1959 the total was 1,212,757.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

A new engineering data sheet from the J. L. Ferguson Company, Joliet, Illinois, provides a comprehensive report on their complete line of Packomatic automatic Case Imprinters.

Detailed description, dimensions and photograph of the case imprinters, capable of imprinting from one to four vertical panels of corrugated cases at various speeds, are included. The sheet also provides type and imprint data and a section outlining information required when submitting a price-proposal.

Copies are available by writing J. L. Ferguson Company, P. O. Box 1226, Joliet, Illinois.

Asbestos Cement Engineering Company of Vaduz has printed a new leaflet which compares the weight of the same diameter Cast Iron Pipes.

We find this interesting because it shows that ASBESTOS CEMENT PIPES weigh less than the Cast Iron Pipes of the corresponding diameters by more than 50 percent.

Readers can obtain a leaflet by writing direct to Asbestos Cement Engineering Co., Hauptstrasse 26, Vaduz-Liechtenstein (Switzerland) P. O. Box 34.649.



J-M Asbestos Yarn
—made from
uniform high-
quality roving.
Available in any
grade, cut or ply
Plain, reinforced
with other yarns
or wire, or treated.



J-M
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con
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and
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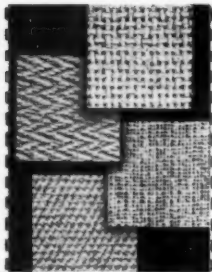
An important "plus" in J-M Asbestos FIBRES or TEXTILES...

UNIFORMITY:

100 X

In the most modern
asbestos mill in the
world, exacting
milling techniques
enable J-M to
maintain complete
uniformity of fibre
within more than 60
commercial grades.

J-M Asbestos Tape
uniform high-grade yarns that combine exceptional electrical and thermal insulating properties with high tensile strength.



J-M Asbestos Cloth—uniform texture from light-proof to open weave. Exceptional resistance to heat, flame, chemicals. In all standard grades.

assured by Johns-Manville

Whether you require raw asbestos fibres or finished textiles . . . be sure of uniform quality by dealing with asbestos headquarters . . . *Johns-Manville*.

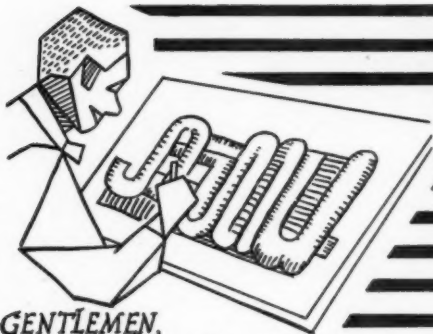
J-M combines the production of the world's largest asbestos mine at Asbestos, Quebec, with the facilities of the world's largest asbestos mill. Highly skilled asbestos technicians use the latest high-speed equipment to provide a precise control of production that assures uniformity, correct grading and maintenance of quality standards.

For FIBRE literature write Asbestos Fibre Division, Box 1500, Asbestos, Quebec, Canada.

For TEXTILE literature write Asbestos Textiles Department, Box 14, New York 16, N.Y.

JOHNS-MANVILLE





GENTLEMEN,

If we could tell you how to make a machine in which you could put 50¢ and pull out a dollar every time and all the time that would interest you. Sorry! We can't do that, but you can save as much money easily, quickly and all the time
By changing to —

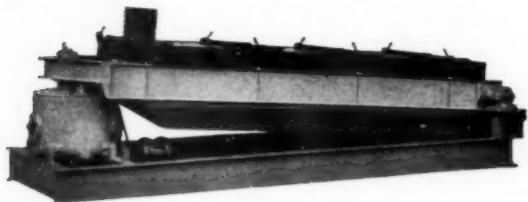


*Thomas Hardman & Sons, Ltd.,
Fernhill Mills
Bury, England*

ROTEX[®]

SCREENERS

GIVE PROFITABLE PRODUCTION!



ROTEX FEATURES

- Low head room
- No screen-blinding
- Fast screen changes
- Dependable service
- Dust-tite construction
- Rugged construction

The nearly level, gyratory motion, pioneered in ROTEX, conveys material rapidly over screen surfaces with minimum vertical vibration or hop. This stratifies the material by particle size, rapidly passing undersize particles through the mesh openings. The results are clean separations exacting accuracy, coupled with high capacity. Designed for the operator's convenience, ROTEX Screeners pay for themselves by the economies they effect.

TO MEET THE REQUIREMENTS OF THE ASBESTOS INDUSTRY:
Fourteen models—one or two screening surfaces—quiet running counter balanced drive—heavy welded structural steel base.

REPRESENTATIVE TO THE ASBESTOS INDUSTRY
IN P. Q., CANADA: Lynn MacLeod Engineering Supplies,
Limited, Thetford Mines, Quebec.

THE ORVILLE SIMPSON COMPANY

1222 KNOWLTON ST.

CINCINNATI 23, OHIO

PRODUCTION STATISTICS

CANADA

(Dept. of Mines, Province of Quebec)

Tons 2,000 lbs.

Production for February 1959 (Quebec)	55,832
Other Provinces	4,252
	60,084

Total production for February 1958 was 53,949 tons.

AFRICA (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2,000 lbs.

Production for December 1958	9,885.99 tons
Valued at	£ 659,093
Production for December 1957	12,375.75 tons
Valued at	£ 814,396
Production for 1958	127,115.18 tons
Valued at	£8,593,726
Production for 1957	132,124.01 tons
Valued at	£9,016,388

AUSTRALIA—STATISTICS

(Published by Bureau of Mineral Resources)

Tons 2,240 lbs.

	Quarter Ending September 30, 1958
<i>Production</i>	
Chrysotile	429
Crocidolite	4,272
	4,701
<i>Imports</i>	
Amosite	3,416
Chrysotile	8,992
Crocidolite .....	..
Other	232
	12,640
<i>Exports</i>	
Chrysotile .....	..
Crocidolite	1,291
Other	25
	1,316

Australian Blue Asbestos Limited



Australian Blue is an ideal fibre for asbestos cement and for purposes requiring good heat insulation and acid resistance. It has excellent spinning properties. Samples available on request.

SOLE SELLING AGENTS

**Minerals Fibres Ltd., Market Buildings,
Mark Lane, London.**

Argentina, Belgium, Brazil, Chile, Columbia, Denmark, France and French Morocco, Egypt, Eire, Great Britain, Holland, India, Israel, Italy, Mexico, Norway, Pakistan, Peru, Portugal and Portuguese Africa, Spain, Sweden, Switzerland, Turkey, Uganda, Uruguay, Venezuela.

**Carters (Merchants) Ltd., Winchester House,
Old Broad St., London.**

Austria, Czechoslovakia, Germany, Hungary, Japan, Poland, U.S.S.R., Yugoslavia.

In Australia, address inquiries to:—
AUSTRALIAN BLUE ASBESTOS LTD.,
89 St. George's Terrace, Perth,
Western Australia.





IMPORTS AND EXPORTS



Imports Into U. S. A.

(Figures by Bureau of Census)

November 1958
Tons (2240 lbs.)

Unmanufactured Asbestos:

From: Canada	43,004
Yugoslavia	810
Union of South Africa	544
Rhodesia (Ny)	289
Australia	179
United Kingdom	50
Mozambique	45
Other Countries	13

44,934

Valued at\$4,497,153

By Grades:

Crude No. 1, Chrysotile, Canada	21
Crude No. 2, Chrysotile, Canada	20
Crude, Other Chrysotile, Yugoslavia	810
Crude, Other, Chrysotile, Rhodesia (Ny)	89
Crude, Other, Chrysotile, Other Countries ...	4
Crude, Blue, Australia	179
Crude, Blue, Mozambique	45
Crude, Blue, Union of South Africa	240
Crude, Blue, Rhodesia (Ny)	200
Crude, Amosite, Union of South Africa	241
Textile Fibres, Chrysotile, Canada	1,941
Textile Fibres, Chrysotile, U. of S. Africa ...	63
Textile Fibres, Chrysotile, Other Countries ..	9
Shingle Fibres, Chrysotile, Canada	4,925
Paper Fibres, Chrysotile, Canada	2,890
Other Fibres, Chrysotile, Canada	33,207
Other Fibres, Chrysotile, United Kingdom ...	50

44,934

Manufactured Asbestos Goods:

November 1958

	Quantity (lbs.)	Value
Asbestos Yarn, United Kingdom	35,168	\$ 28,184
Asbestos Packing, Other Clys	17,192	5,616
Asbestos Shingles (Impreg.)	7,384	623



asbestos cement department

10, VIA SANTA TERESA
TURIN, ITALY

**Manufacturers of all types
of
Fully Automatic**

asbestos cement machinery

Daily output guaranteed according to the
International Standard Specification:

150 ton high pressure pipes
300 ton flat and corrugated sheets

Asbestos Shingles (Not Impreg.)		
United Kingdom	162,177	14,154
Belgium	1,640,075	109,293
Italy	1,030,436	40,201
Israel	1,274,259	65,433
Other Countries	164,588	9,430
Asbestos Manufactures—Others .....	..	469
	4,331,279	\$273,403

Exports From U.S.A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	Year 1958	
	Tons (2240 lbs.)	Value
To: Europe	1,520	\$203,351
Canada	75	7,500
Central America & Mexico	166	24,831
South America	194	25,392
United Kingdom	155	16,466
Other Countries	264	43,510
	2,374	\$321,050

Manufactured Asbestos Goods:

	Year 1958	
	Quantity	Value
Asbestos Cement & Pipe Covering Lbs.	6,108,081	\$ 1,032,879
Asbestos Textiles & Yarns .....Lbs.	695,127	775,793
Asbestos Packings .....Lbs.	1,636,700	2,189,304
Asbestos Clutch Facings .....No.	1,340,622	1,091,636
Asbestos Brake Lining (Moulded & Semi-Moulded) Lin. Ft.	1,748,451	715,340
Asbestos Brake Lng. Other .....Lbs.	4,448,502	3,897,118
Asbestos Construction Materials .Lbs.	27,922,544	2,758,785
Asbestos Manufactures—Others .....	..	764,740
	43,900,027	\$13,225,595

ASBESTOS FIBRES
ASBESTOS WASTE
Frank G. Ruggles Co. Inc.
26 BROADWAY
NEW YORK 4, NEW YORK

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	January 1959	
	Tons (2240 lbs.)	Value
To: Europe	144	\$17,990
United Kingdom	30	2,820
South America	22	1,857
Canada	18	1,500
Other Countries	25	8,740
	239	\$32,907

Manufactured Asbestos Goods:

	January 1959	
	Quantity	Value
Asbestos Cement & Pipe Covering ..Lbs.	765,697	\$ 102,023
Asbestos Textile & Yarn	50,551	67,900
Asbestos Packings	110,085	152,330
Asbestos Clutch Facings	81,789	59,992
Asb. Bk. Lng. (Mid.&S.Mld.) ..Lin. Ft.	101,951	45,022
Asbestos Brake Lining, Other ....Lbs.	524,123	336,982
Asbestos Construction Materials ...Lbs.	2,154,087	216,134
Asbestos Manufactures—Others .....	..	40,428
	3,788,283	\$1,020,811

IMPORTS OF ASBESTOS BY UNITED KINGDOM

Raw Materials

Tons 2,240 lbs.

	January 1959
	Quantity
From: Union of South Africa	1,965
Basutoland, Bechuanaland & Swaziland	406
Rhodesia & Nyasaland	2,518
Canada	2,220
Other Commonwealth Countries	20
Foreign Countries	103
	7,232

ASBESTOS-CEMENT MACHINERY

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

Fiberizing Equipment, Rotary Cutters, Wet and Dry Trimmers, Finishing and Texturing Machines.

Your inquiries are most welcome

LINCOLN IRON WORKS

(Successors to Asbestos-Cement Associates, Inc.)

255 West Street

Rutland, Vermont

Exports from Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

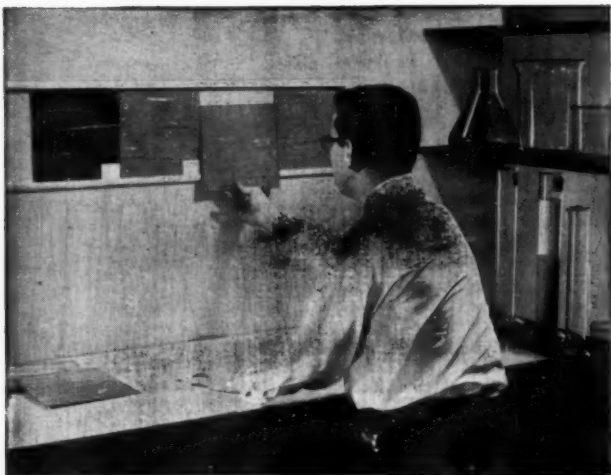
Crude	January 1959	
	Tons (2000 lbs.)	Value
United States	21	\$ 14,787
United Kingdom .....	..	..
South America .....	..	..
Central America & Mexico .....	..	..
European Countries	23	21,839
Other Countries .....	..	..
	44	\$ 36,626
<i>Milled</i>		
United States	8,123	\$1,593,339
United Kingdom	670	129,289
South America	429	82,056
Central America & Mexico	1,520	274,980
European Countries	12,247	2,395,137
Other Countries	4,480	742,000
	27,469	\$5,216,801
<i>Shorts</i>		
United States	32,985	\$1,793,332
United Kingdom	3,155	134,308
South America	227	19,522
Central America & Mexico	302	19,820
European Countries	5,917	341,369
Other Countries	1,075	91,911
	43,661	\$2,400,262
<i>Grand Total—</i>		
<i>Unmanufactured Asbestos:</i>	71,174	\$7,653,689

Manufactured Asbestos Goods:

Brake Lining	\$ 19,521
Packing .....	..
Other Materials	4,089
	\$ 23,610

KEASBEY & MATTISON COMPANY APPOINTS

Mr. Hugh M. Carleton has been appointed Purchasing Agent of Keasbey & Mattison Company, Ambler, Pa., succeeding Mr. Arthur C. Leshner. Mr. Leshner has retired after 53 years of outstanding service.



Looking for better color-control?

Try light-colored Gold Bond Asbestos

Floor tile manufacturers have found that the uniformly light color of Gold Bond Asbestos makes it easier to control the color-shade of their tiles. This important advantage saves production time all along the line—from batch mix to quality inspection.

If color is one of your production problems, try Gold Bond® Asbestos. The fibers are uniform in quality and low in fines content, too. And whatever your asbestos needs may be, may we suggest that you check first with National Asbestos Mines Ltd., Thetford Mines, P. Q., Canada. (Subsidiary of National Gypsum Company.)



UNARCO ANNOUNCES NEW ASBESTOS SAFETY CLOTH

Development of a new lint-free, non-fraying asbestos safety cloth, which also has greater abrasion resistance than plain asbestos cloth, has been announced by the Union Asbestos and Rubber Company, Bloomington, Illinois.

All of these advantages, says UNARCO, have been added to its new asbestos fabric while maintaining the same insulation characteristics of plain asbestos cloth.

Unlike plain asbestos cloth, the new fabric does not unravel along cut edges and can be tailored to fit any pattern. This feature and its lint-free characteristics make it an ideal fabric for safety clothing and other tailored applications.

Because of its high abrasion resistance, plus its lint-free feature, the new fabric is also preferred over plain asbestos cloth for use in fire curtains and fire blankets.

The new cloth is available in standard widths of 36" and 40", but can be furnished in width of up to 60". Fire curtains and blankets made of the new cloth are fabricated to customer specifications. Weight of the cloth ranges from approximately 2.25 to 2.5 pounds per square yard.

UNARCO is currently producing the new fabric in an "off-white" color only, but expects to make it available in a range of colors in the near future.

Available from: Union Asbestos and Rubber Company, Fibrous Products Division, 1111 West Perry Street, Bloomington, Illinois.

KEASBEY & MATTISON ANNOUNCES PROMOTIONS IN TEXTILE PLANT

Keasbey & Mattison Company, Ambler, Pa., manufacturers of asbestos, asphalt and heat insulating products, has announced the following promotions in its textile plant, Meredith, N. H.

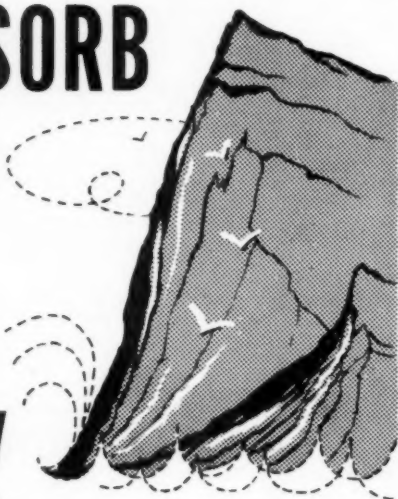
John L. Rainey has been named plant manager of the Meredith factory. Mr. Rainey joined K&M in 1940 in the textile division and in 1950 transferred to Meredith as foreman of the carding department, later becoming general foreman. His most recent position has been that of assistant plant manager. He is a graduate of the Philadelphia Textile Institute.

Albert Allwood has been named service & development engineer and placed in charge of the development of new products as well as new uses for asbestos. He will also handle service to customers. Mr. Allwood, who joined K&M in 1952, holds a degree in textile engineering from North Carolina State University.

Lindsey Miner has been promoted to foreman of the carding department. Mr. Miner joined Keasbey & Mattison in its textile division in 1951.

DURASORB FELTS

give
better
stability
because . . .



Albany's new method of needled construction provides an extremely stable felt which will not alter size or wander on the machine. This factor, together with excellent uniformity, gives you a new advantage in felts for asbestos-cement shingles, siding and sheets. In addition, DURASORB felts are meeting demands for finish, drainage and long life.

Ask your Albany Felt Sales Engineer for full details and case histories on this outstanding performer.



ALBANY FELT COMPANY

Main Office & Plant, Albany, N. Y.
Other plants: Hoosick Falls, N. Y., N. Monmouth, Me.
St. Stephens, S. C., Cowansville, P. O.

**THE PHILIP CAREY MFG. CO.
APPOINTS SALES REPRESENTATIVES**

Paul D. Japp, Vice-President of The Philip Carey Manufacturing Company, Cincinnati, Ohio, has announced the addition of three new sales representatives to the company's National Accounts staff.

Frank M. Boylan has been appointed National Accounts Representative for the metropolitan New York-Boston area and will headquarter at Carey's New York office, 120 East 41st Street. Prior to joining Philip Carey, Mr. Boylan held a similar position with Union Asbestos and Rubber Company.

Robert L. Smith is the new National Accounts Representative for the Chicago, St. Louis, Detroit and Milwaukee areas. He will be located in Carey's Chicago office, 25th and Warren Avenue, Bellwood. Mr. Smith has been a national accounts representative for Owens Corning and prior to this was Regional Sales Manager of The Kaylo Division of Owens Illinois Glass.

George C. Cheap has been named National Accounts Representative for California and Arizona with headquarters at Carey's Los Angeles district office, 1760 East 15th Street. Mr. Cheap joined Philip Carey in 1954 as industrial sales representative and insulation specialist in the California district.

Carey National Accounts representatives service the major industrial, utility, architectural and design engineering firms. Philip Carey manufactures more than 800 building products for home, commerce and industry.

**KEASBEY & MATTISON CO.
Appoints Personnel Manager**

Robert E. Kennedy, Philadelphia, has been named Personnel Manager of Keasbey & Mattison Company's Ambler offices and plants, according to Mr. Bradfield Scranton, Industrial Relations Manager.

Prior to joining Keasbey & Mattison, national manufacturer of asbestos, asphalt and heat insulating products, Mr. Kennedy was Assistant Personnel Director of Proctor & Schwartz, Philadelphia.

K & M operates plants in Ambler, Pa.; Meredith, N.H.; Perth Amboy, N.J.; St. Louis, Mo.; and Santa Clara, Calif.

**RAYBESTOS-MANHATTAN FIRST PERIOD SALES
Net Expected To Top 1958**

Sales of Raybestos-Manhattan Inc., for the first quarter will show an increase of 19.7% over last year, and earnings also will climb, John F. D. Rohrbach, President, said at the annual meeting. The company does not report quarterly sales, but last year first quarter earnings were \$279,446 or 44 cents a share.

All that the name implies

HUYTUF

NEEDED FELTS

- Last longer
- Start faster
- Increase production
- Improve product quality
- Lower felt cost
- Make optimum use of synthetics

For the complete story
talk to your Man-from-Huyck
or write us today.



Huyck Felt Co.,
Rensselaer, N. Y.;
Aliceville, Ala.;
Division of F. C. Huyck & Sons
In Canada: Kenwood Mills Ltd.,
Araprior, Ontario.

NEW

HUYCK FELTS

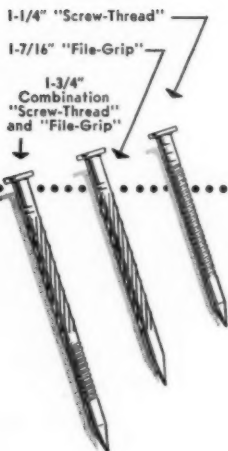
★ INDUSTRIAL FABRICS

FIRST IN QUALITY • FIRST IN SERVICE SINCE 1870

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

- John J. Dempsey, President, Armor Products Inc., New York City, May 18.
- William B. Millar, Consulting Mining Engineer, Silver Bay, N. Y., May 18.
- Clifford F. Rassweiler, Vice Chairman of the Board, Johns-Manville Corp., New York City, May 18.
- William J. Van Akin, Vice President of Manufacture, The Ruberoid Co., New York City, May 23.
- Charles J. Clark, Vice President, Asbestos & Magnesia Materials Co., Chicago, Ill., May 25.
- W. S. Lang, Vice President, Magnesia-Asbestos Insulation Co., Inc., New York City, May 25.
- Stephen Harrison, Owner, Asbestos Service Co., Youngstown, Ohio, May 26.
- George V. Hamilton, Owner, George V. Hamilton Co., Pittsburgh, Pa., May 26.
- J. H. Mooney, Vice President, Johnson's Co., Thetford Mines, Canada, May 27.
- Giles Newton, Chairman, Cape Asbestos Co. Ltd., London, England, May 27.
- Harry C. Templeton, President, Drycor Felt Co., Staffordville, Conn., May 29.
- George A. Gelish, President, Port Asbestos Insulation Co., Brooklyn, N. Y., June 1.
- Charles H. Jackson, President, Atlas Asbestos Co. Ltd., Montreal, Canada, June 2.
- Phillip Ziegenfuss, President and Treasurer, Insulating Materials Co., St. Louis, Mo., June 2.
- Norman C. Naylor, Director, Union Asbestos & Rubber Co., Chicago, Ill., June 3.
- Ford Brown, President, MacArthur Co., St. Paul, Minn., June 5.
- Edward J. Ewald, Vice President, Standard Asbestos Manufacturing Co., Chicago, Ill., June 6.
- E. M. Railton, Vice President (in charge of Western Division), The Ruberoid Co., Chicago, Ill., June 8.
- H. E. Howell, Vice President, Ehret Magnesia Manufacturing Co., Valley Forge, Pa., June 8.
- Manley Alsaker, Branch Manager, Kelley Asbestos Products Co., Omaha, Nebraska, June 9.
- Herbert Morton Ball, Secretary and General Attorney, Johns-Manville Corp., New York City, June 9.
- Walker Jamar, President, Walker Jamar Co., Duluth, Minn., June 11.
- Howard Snow, President, Southern Friction Materials Co.,



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COLORS IN
ASBESTOS SIDING

- PAINTED TO MATCH YOUR EXACT COLOR REQUIREMENTS
- EXCELLENT PAINT ADHERENCE
- AVAILABLE IN ALL COLORS AND WHITE

Your products deserve the best fasteners available. Protect their beautiful colors with inconspicuous NICHOLS RUSTPROOF PAINTED ALUMINUM NAILS. We will paint aluminum asbestos face nails to meet your exact color-match requirements; also available in the satin etched finish. Write today.

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WIRE &
ALUMINUM CO.
DAVENPORT, IOWA

Charlotte, N. C., June 11.
Henry Condell, Owner, Asbestos Processing Co., New York City,
June 15.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

FIBREBOARD PAPER PRODUCTS CORP. APPOINTMENTS

Two top personnel appointments at Fibreboard Paper Products Corporation were recently announced by William K. Spence, vice president—personnel. *W. Ray Normington* was appointed personnel manager—manufacturing, and *Kirk Frederick* was appointed personnel manager—marketing. Both positions are newly-created responsibilities in the company's Administration Division.

Mr. Normington's management experience with Fibreboard in nearly every phase of the company's manufacturing operations will be a great contribution to its expanding personnel development program. His career in manufacturing with the company includes 25 years at the Stockton Board Mill and Carton Plant. Recently, he has been assistant general manager of Manufacturing, director of manufacturing services, and since March, 1958, general production manager of the Packaging Group.

Mr. Frederick's wide range of experience in marketing and production planning includes industrial engineering, purchasing and sales analysis with a large national organization. His background will be of great assistance to Fibreboard in this most important new assignment. He joined Fibreboard in 1951. Prior to his new appointment, he was director of organization planning for the company.

Both men will headquarter at the company's executive offices at 475 Brannan Street, San Francisco.

KEASBEY & MATTISON COMPANY APPOINTS KENNETH M. EDEN

Kenneth M. Eden has been appointed General Sales Manager of the Building Products Division of Keasbey & Mattison Company, Ambler, Pa., manufacturers of asbestos, asphalt and heat insulating products, it was announced by Norman L. Barr, General Sales Manager of the company. Mr. Eden was formerly K&M's Houston District Manager.

Mr. Eden became associated with the company in 1934 as a general line salesman changing to industrial sales in 1936. In 1939 he was appointed Assistant Philadelphia District Manager. He was transferred to the company's southwest territory in 1943 when he was appointed K&M's Houston District Manager. He has served in that capacity until his present appointment.

Mr. Eden holds a B.S. in Mechanical Engineering from Rutgers.



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LTD.

P. O. BOX 11000 — CABLE: SOTSEBSA

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Our experienced engineers and machinists offer the
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ASBESTOS TEXTILES

are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.



Write: Asbeston® Dept., Textile Division
UNITED STATES RUBBER COMPANY
1230 Avenue of the Americas, New York 20, N. Y.



J. C. BUTLER NAMED STAFF CHEMIST AT K&M

James C. Butler has been named staff chemist in the Research & Development Department of Keasbey & Mattison Company, Ambler, Pa., according to Clyde R. Hutchcroft, Manager. The firm manufactures asbestos, asphalt and heat insulating products.

Mr. Butler, who holds a bachelors degree in chemistry from Duquesne University, was formerly associated with the Callery Chemical Co., as an analytical chemist.

SMITH & KANZLER CORPORATION

Appointment of Dr. Morris Lief

Smith & Kanzler Corporation, Linden, N. J., announces the appointment of *Dr. Morris Lief* as Vice President and Technical Director.

Dr. Lief's responsibilities will include new product development and product improvement.

Dr. Lief was formerly Technical Director of the Insulrock Division of Flintkote Company, and prior to its acquisition by Flintkote, Vice President and Technical Director of the S. K. Insulrock Corp.

Now in operation: New independent source of Asbestos. Lake Asbestos of Quebec, Ltd. will produce 100,000 tons of high-quality chrysotile asbestos fibre annually. If you need a new dependable source for high grade asbestos, write to Asarco International Corp., 120 Broadway, New York 5, N. Y., distributor for Lake Asbestos.

Overseas Sales Representatives:

Metal Traders Ltd.

Asbestos Division
London (for U. K., Spain,
Portugal)

Keyser and Mackay

Amsterdam (for The Netherlands, Belgium, Switzerland)

Metal Traders, Inc.

Tokyo, Japan

Atlanta, Bremen

(for W. Germany, Austria)

Ladislao Kohn,

Buenos Aires (for Argentina,
Uruguay)

Agencies Kapel Ltda.

Santiago, Chile

G. Vaciago

Torino, Italy

Mount Isa Mines Ltd.

Sydney, Australia

Holanda Colombia, S.A.

Barranquilla,
Colombia

**"Brasimet" Comercio 4
Industria S.A.**

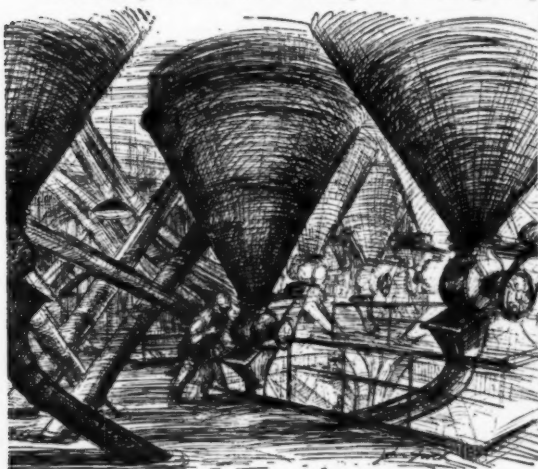
Rio de Janeiro and Sao Paulo,
Brazil

Dieppedalle & Seilles

Paris, France

LAKE ASBESTOS OF QUEBEC, LTD.

a subsidiary of American Smelting and Refining Company



ASARCO

UNITED STATES RUBBER CO.

First Quarter Report

Net income for United States Rubber Co. was approximately \$10,200,000 during the first quarter of 1959 compared with \$3,891,000 reported for a similar period a year ago. Net income was equivalent to \$1.55 a share of common stock, compared with 45 cents earned in the same period in 1958.

First quarter sales were approximately 249 million dollars compared with 196 million dollars reported in the first quarter of 1958.

The first quarter volume was stimulated by heavy customer buying in anticipation of a possible strike, which unfortunately occurred on April 9, and profits were enhanced by the high volume of production which resulted in lower unit costs. Some of this business was borrowed from the second quarter, and the company could not expect to continue at the first quarter level of sales and production.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

April 1959				
	Par	Low	High	Last
Amer. Br. Shoe (Com)	np	47½	50¾	48¾
Armst. Ck. (Com)	1	39	41¼	40¾
Armst. Ck. (Pfd)	np	84½	87	86½
Asbestos Corp.	up	28	31	28¾
Philip Carey (Com)	10	39½	42½	41½
Cassiar Asb. Corp.	np	9.90	11¾	11 ½
Celotex (Com)	1	41½	44¾	43½
Celotex (Pfd)	20	19¾	20¼	20¼
Certain-Teed	1	14½	16¾	16¾
Fibreboard	np	51¼	56¾	51½
Flintkote (Com)	5	38¼	60	39¾
Flintkote (Pfd)	np	85	108½	108
Johns-Manville	5	52	59¾	59½
Natl. Gypsum (Com)	1	64½	69¾	69
Natl. Gypsum (Pfd)	np	92	94	94
Porter, H. K.	100	91	95¾	91¾
Ray-Man	np	61½	63	61½
Ruberoid (Com)	1	43	47¾	46¾
Union Asb. & Rubber (Com)	5	11¼	13	11¾
United Asb. (Com)	1	5.10	5.90	5.70
U.S. Gypsum (Com)	4	101¾	119	114
U.S. Gypsum (Pfd)	100	158	166	163
U.S. Rubber (Com)	5	53¼	58¾	57¾
U.S. Rubber (Pfd)	100	150¾	154	153

BELL ASBESTOS MINES LTD.

THETFORD MINES, QUE.

CANADA



***Producers of
Raw Asbestos Crudes
& Fibres***



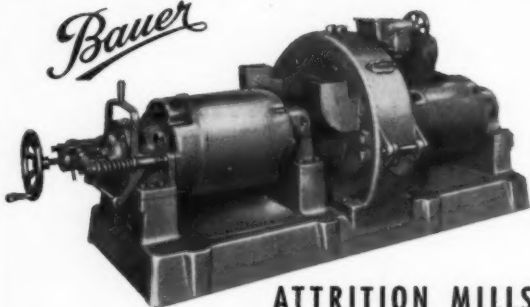
Sales Representatives

for

Cassiar Asbestos Corporation Limited

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Bauer



ATTRITION MILLS

We have the men and machines to serve the asbestos industry. Our double-revolving-disc attrition mills, for instance, are proving their superiority in grinding and upgrading asbestos fiber.

These mills reduce screenings and floats to minus 80 mesh.

They upgrade minus 65 mesh fiber.

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You are invited to ask for literature and complete information. Our engineering and research facilities are at your service.

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View of Kuruman Main Mill

ASBESTOS FIBRES

Chrysotiles, Blues, Amosites

Agent in the United States for

S. A. ASBESTOS TRADING (PTY.) LTD.

JOHNS-MANVILLE CORP.

Quarterly Report

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the first quarter of 1959 were \$4,646,000 compared with \$2,192,000 for the corresponding period last year.

Sales for the first quarter of 1959 were \$74,742,000, compared with \$64,909,000 for the first quarter of 1958.

Earnings per share of common stock for the first quarter were 56 cents, compared with 27 cents for the same period in 1958.

The 1958 figures above have been adjusted to include results of L.O.F. Glass Fibers Company.

The improvement in both sales and earnings this year compared with the same period last year reflects not only generally better business conditions and substantial gains made by our newly acquired fiber glass business but also the continuing economies made in 1958.

KEASBEY & MATTISON COMPANY

APPOINTS PIPE SALES AGENT

The Republic Supply Company of California, 2600 S. Eastland Avenue, Los Angeles, has been named sales agent for Keasbey & Mattison Company's complete line of asbestos-cement pressure pipe, gravity sewer pipe, building sewer pipe and irrigation pipe. It was recently announced by James R. Reichel, General Sales Manager of K&M's Asbestos Cement Pipe Division.

A leading industrial, oil field and utilities supplier, Republic Supply Company has established a new water-works supplies department which is headed by Robert Muse, Manager, recently with Viking Supply Company, Los Angeles, and formerly with the Crane Company for 23 years.

New experienced pipe sales representatives have been appointed by Republic to cover Southern California and Arizona.

Keasbey & Mattison Company is also represented in Southern California and Arizona by the Crane Company, pipe sales agents.

"Specialty Fibres Our Business"

Metate Asbestos Corporation

P.O. Box 111

Globe, Arizona

**Producers of Arizona Asbestos Grades
AAA, 3, 4, 5, 6, 7 and 8 Milled Fibres**

*Very white, low iron content, high drainage harsh fibres,
high filtration soft fibres.*

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**FOR CANADIAN, RHODESIAN
AND SOUTH AFRICAN ASBESTOS**

ASBESTOS HOUSE • 77-79 FOUNTAIN ST. • MANCHESTER 2
E N G L A N D

CURRENT RANGE OF PRICE

As of May 10, 1959

ARIZONA—

Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

No. 1 Crude (soft)	\$1,475.00 to \$1,850.00
No. 2 Crude (soft)	830.00 to 1,260.00
Group-3 (Plastic & Spinning Fibre)	375.00 to 675.00
Group-4 (Plastic & Filtration)	190.00 to 250.00
Group-5 (Plastic & Moulding)	125.00 to 177.00
Group-7 ((Refuse & Shorts)	60.00

CANADA—

Per Ton 2,000 lbs. f.o.b. Mine
Canadian Currency

Group No. 1 (Crude No. 1)	\$1,475.00 to \$1,850.00
Group No. 2 (Crude No. 2); Crude Run-of-Mine and Sundry	790.00 to 1,200.00
Group No. 3 (Spinning Fibre)	370.00 to 650.00
Group No. 4 (Shingle Fibre)	180.00 to 245.00
Group No. 5 (Paper)	120.00 to 150.00
Group No. 6 (Waste, Stucco or Plaster)	.. 86.00
Group No. 7 (Refuse or Shorts)	40.00 to 80.00

VERMONT—Per ton of 2,000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

Group No. 3 (Spinning & Filtering)	\$ 370.00 to \$ 428.00
Group No. 4 (Shingle Fibre)	181.00 to 200.00
Group No. 5 (Paper Fibre)	120.00 to 152.00
Group No. 6 (Waste, Stucco or Plaster)	.. 86.00
Group No. 7 (Refuse or Shorts)	41.00 to 75.00

UNITED STATES RUBBER CO.

NAMES GENERAL SALES MANAGER

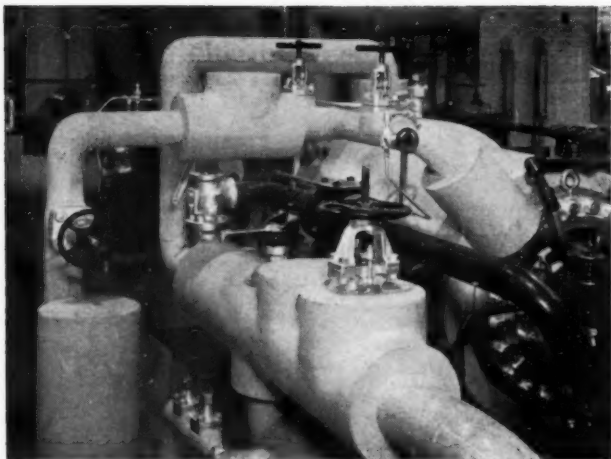
Virgil C. McQuiddy, Jr., has been named general sales manager of the textile division, United States Rubber Co.

Mr. McQuiddy replaces *W. D. Johnson*, who has retired from the rubber company to go into private business in Fairfield County, Connecticut.

In his new position as general sales manager, Mr. McQuiddy will direct sales activities for a variety of consumer and industrial textile products, including asbestos fabrics.

Mr. McQuiddy joined the textile division of U. S. Rubber at its Hogansville, Georgia, plant in 1941. Later that year, he came to the New York City headquarters and served in the Asbestos sales department.

In January, 1949, he was named manager of combed yarn sales, and moved to the Company's Reading, Pennsylvania office. He returned to the Rockefeller Center general headquarters in 1950, rising to the post of textile products sales manager in February, 1957.



Maximum control of temperatures with **PABCO PRECISION-MOLDED CALTEMP** a Calcium Silicate Insulation

Curb expensive heat loss, control temperatures within minimum tolerances with performance-proved Pabco Insulations.

For power plant piping and equipment, a Pabco Insulation insures peak performance wherever temperatures must be maintained up to 1900° F. Pabco's Caltemp and 85% Magnesia insulations are "Precision-Molded" by a patented process in both pipe and block form. For data on technical advantages... case histories... or engineering consultation, write... or call... a Pabco insulation engineer.

PABCO INDUSTRIAL INSULATIONS DIVISION

Fibreboard Paper Products Corporation
San Francisco 19 • Chicago 54
Houston 4 • New York 16 • Los Angeles

INSULATION GUIDE

Temperature	Recommended Pabco Insulation
to 550° F.	85% Magnesia pipe covering • block • cement
to 1200° F.	Caltemp pipe covering • block • cement
to 1500° F.	Prasco 15 C pipe covering • block • cement
to 1900° F.	Prasco 19 C block

P. E. COOMBES RETIRES

On December 1, 1958, *Percy Edward Coombes* retired from The Cape Asbestos Company Limited after more than 40 years of distinguished service.

Mr. Coombes joined the Company on April 1, 1916 and was engaged as a stock ledger clerk. In 1917, he was transferred and given the position of cashier. As the Company grew, Mr. Coombes was given steadily increased responsibilities under Mr. W. A. Godfrey and upon Mr. Godfrey's retirement, he was officially made Secretary of the Company.

The Cape Company acquired share capital of the Uxbridge Flint Brick Company in 1947, and Mr. Coombes was appointed Director of this newly acquired factory. It is with the production and development of the Asbestolux board that Mr. Coombes' management at Uxbridge will be especially associated.

In 1948, he was made Managing Director of the newly formed Harefield Lime Company.

The whole of the Uxbridge manufacturing activities were combined on the formation of Cape Building Products Limited with Mr. Coombes in the capacity of its Managing Director. The turnover of that Company today is little short of ten times what it was when Mr. Coombes first assumed the mantle of Factory Manager.

Mr. Coombes' associates and friends wish many years of good health and contentment.

M. GOCHTOVTT PROMOTED TO DESIGN MANAGER AT KEASBEY AND MATTISON

Michel Gochtovtt has been promoted to the position of Design Manager in the Central Engineering Department of Keasbey & Mattison Company, Ambler, Pa., manufacturers of asbestos, asphalt and heat insulating products, according to R. A. Schneider, Vice President—Engineering.

Mr. Gochtovtt, who holds a mechanical engineering degree from the University of Paris, was formerly associated with the Renault Automobile Company as equipment engineer and the Citroen Automobile Company as chief plant equipment engineer.

THE RUBERIOD CO. APPOINTS PUBLIC RELATIONS DIRECTOR

The Ruberiod Co., manufacturer of building materials, announces that *James P. Carroll* has joined the company as director of public relations. Mr. Carroll was formerly public relations director of Harris D. McKinney, Inc., Philadelphia industrial advertising agency, since 1956. Previously, he was associated for ten years with the New York news department of Doremus & Company.

He is a member of the Public Relations Society of America, Inc.



We take raw asbestos and fashion it to the needs of a thousand and one different consumers. Closely controlled through all stages of manufacture, asbestos is converted into Fibre, Yarns, Tapes, Cloths, Rovings, Tubing and Webbing widely used for heat and electrical insulation. It is also fabricated into many different kinds of friction materials, including the world-famous Mintex brake and clutch linings.

**BRITISH BELTING
& ASBESTOS LTD.**

Cleckheaton, Yorkshire, England



FIBREBOARD PAPER PRODUCTS CORP.

EXPANSION PLANS

Multi-million dollar capital expansion plans for the San Joaquin pulp and paperboard mill of Fibreboard Paper Products Corporation were unveiled to stockholders at the company's annual meeting by William L. Keady, President. The San Joaquin plant is located near Antioch, 45 miles east of San Francisco on the San Joaquin River.

Construction of a new kraft pulp and paperboard mill will start immediately. A third paperboard machine, complete with pulp processing system and additional raw material handling equipment, will add initially 72,000 tons to the annual capacity of our San Joaquin mill, bringing the total yearly capacity to over 200,000 tons at this plant.

When completed in about fourteen months, the third paperboard machine will be capable of producing in one year enough paperboard to wrap a 13-foot wide ribbon three times around the globe.

KEASBEY & MATTISON COMPANY

APPOINTS W. H. MASHBURN

William H. Mashburn has been named Houston District Manager by Keasbey & Mattison Company, Ambler, Pa., manufacturers of asbestos, asphalt and heat insulating products. K&M's Houston District includes Texas, New Mexico, Oklahoma, Arkansas, Mississippi, Louisiana and the Western quarter of Tennessee.

Mr. Mashburn joined K&M in 1946 as a general line salesman in the company's Houston District. He has also been an asbestos-cement pipe salesman and has served as manager of the asbestos-cement pipe department in K&M's Houston District.

Mr. Mashburn was formerly with the Arkansas Foundry Company of Little Rock.

UNITED STATES RUBBER CO.

Newly-Created Post

Raymond A. All has been named to the newly-created post of director of marketing for the textile division, United States Rubber Co., effective at once. W. E. Clark, vice president and general manager of the division, recently announced.

The 46-year-old executive will have overall responsibility for long-range planning, merchandising, sales, market development, advertising and sales promotion for one of the 15 largest textile producers in the nation, operating 10 mills in five southern states.

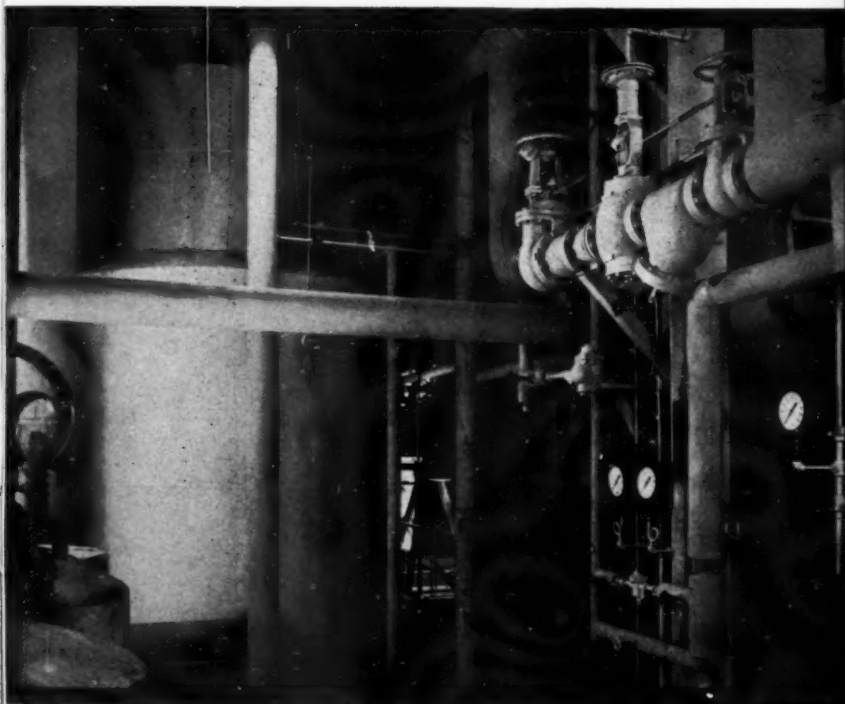
On January 1, 1956, Mr. All was appointed assistant to the vice president and general manager, his last position before the new appointment.

ONLY APPROVED CONTRACTORS INSTALL EHRET INSULATIONS

The THERMALITE 85% Magnesia Insulation in this boiler room is typical of the faultless work of Ehret-approved contractors. Only men fully skilled in the application of Ehret products are entrusted with their installation. Result: Full insulating value and long, trouble-free

service life with economical heating.

Standard inventories of THERMALITE are maintained by distributors in all principal cities. For the full story of this money-saving insulating material, see your Ehret Distributor or write direct for Bulletin 11C to the address below.

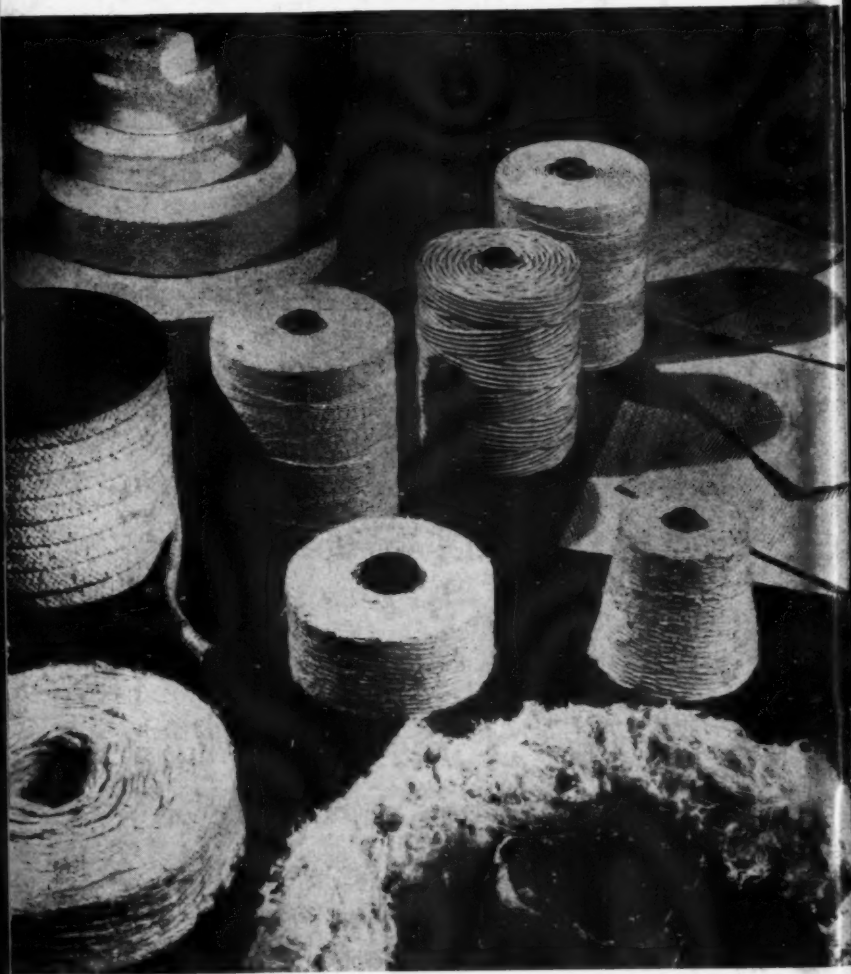


Typical THERMALITE installation. THERMALITE has unusually low thermal conductivity, is molded to exact shape, assuring tight joints and snug pipe fits essential for maximum heat economy.



EHRET MAGNESIA MANUFACTURING COMPANY
VALLEY FORGE, PENNSYLVANIA

SOUTHERN ASBESTOS — TEXTILES



SOUTHERN ASBESTOS COMPANY, CHARLOTTE 1, N. C.

